DynamoDB

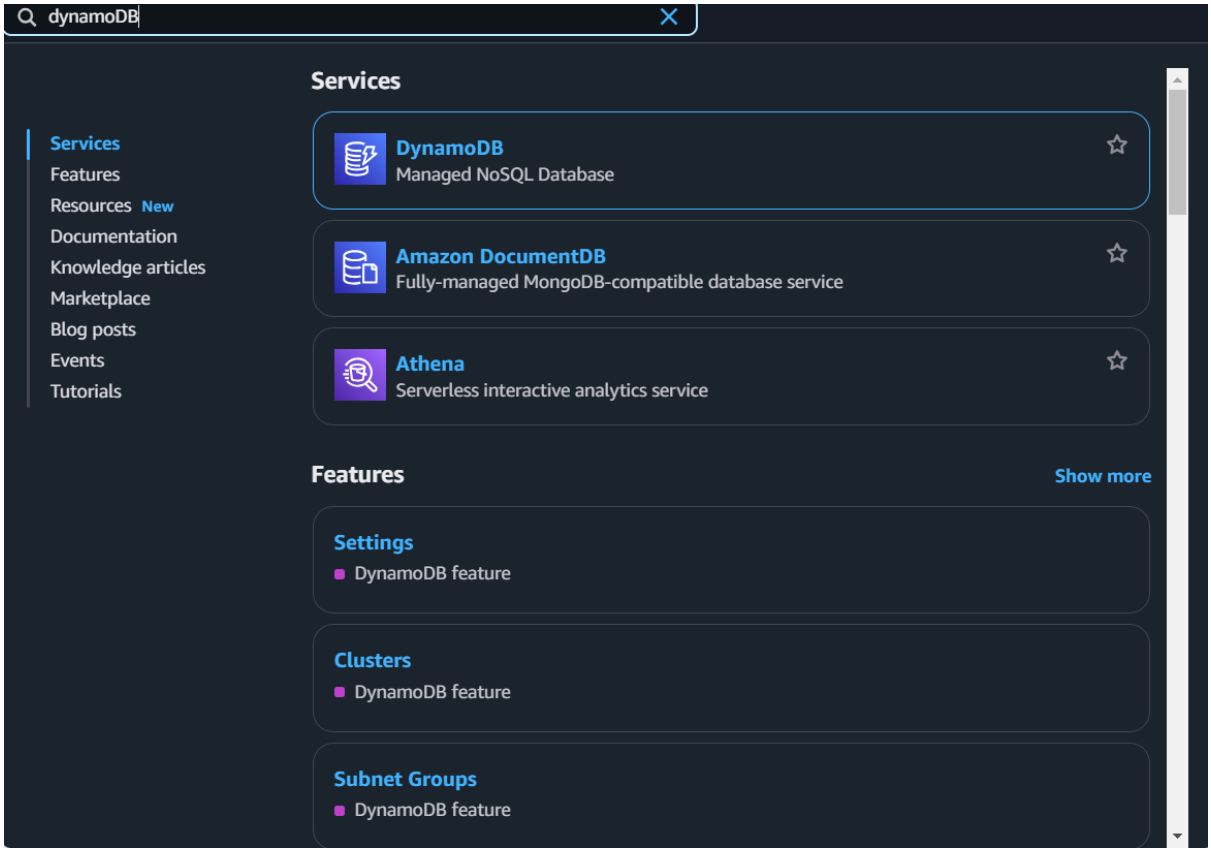
DynamoDB is a fully managed NoSQL database service offered by Amazon Web Services (AWS). It is designed for applications requiring high performance at any scale. DynamoDB is serverless, meaning it automatically scales up or down to adjust for capacity and maintains high availability without the need for infrastructure management.

Key Features of DynamoDB

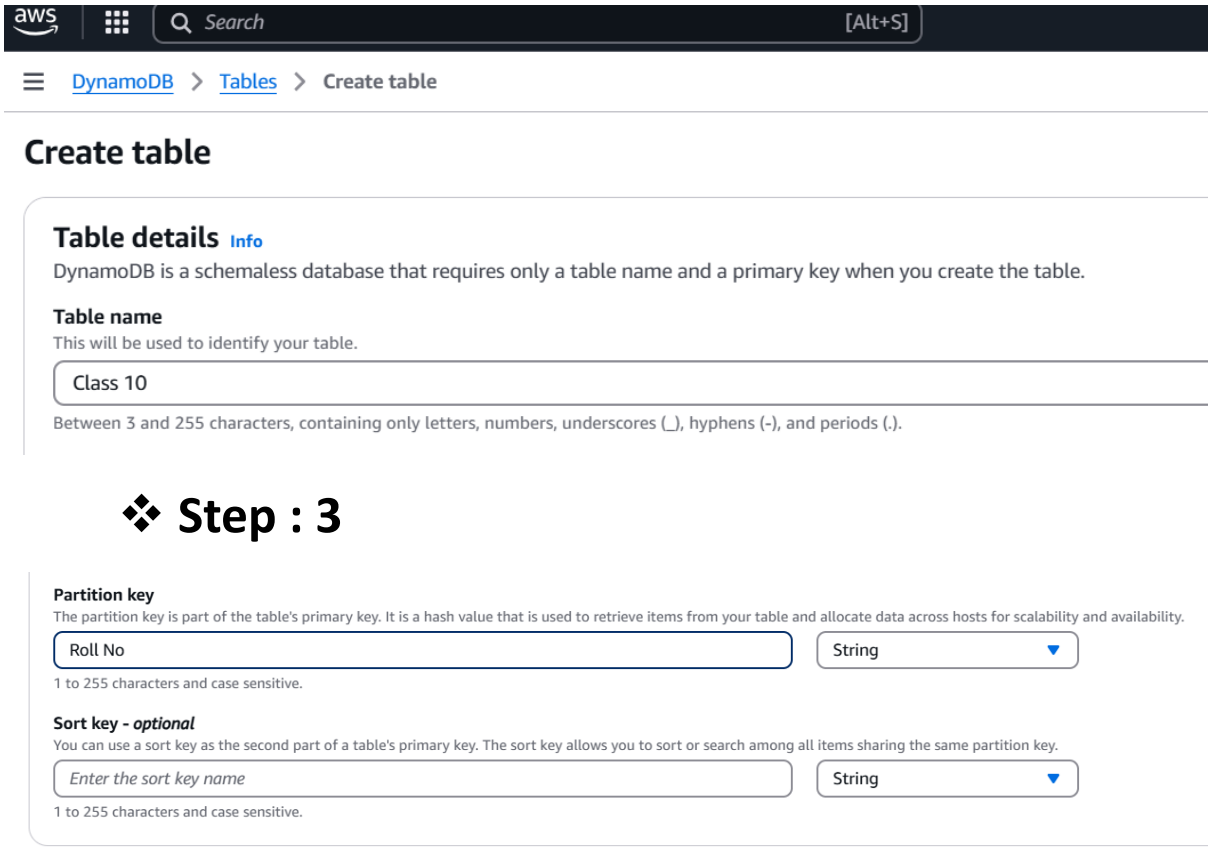
1. **Scalability**: Handles large amounts of data and traffic effortlessly.
2. **NoSQL**: Key-Value and Document data models for flexibility.
3. **Serverless**: AWS manages the infrastructure for you.
4. **High Availability**: Provides fault-tolerant replication across multiple availability zones.
5. **Performance**: Low-latency responses with automatic scaling.
6. **Security**: Offers encryption at rest, fine-grained access control, and AWS Identity and Access Management (IAM) integration.

Here, are visual Steps following are :

- **Steps 1:**

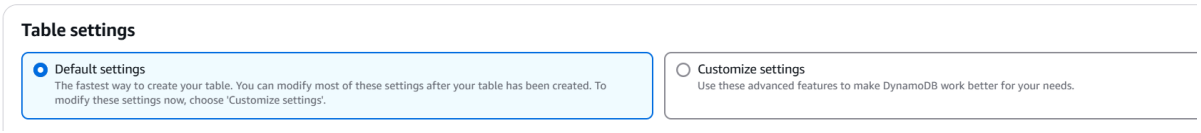


❖ Steps 2:



❖ Step : 3

❖ Step 4:



❖ Step 5:

Default table settings

These are the default settings for your new table. You can change some of these settings after creating the table.

Setting	Value	Editable after creation
Table class	DynamoDB Standard	Yes
Capacity mode	On-demand	Yes
Maximum read capacity units	-	Yes
Maximum write capacity units	-	Yes
Local secondary indexes	-	No
Global secondary indexes	-	Yes
Encryption key management	Owned by Amazon DynamoDB	Yes
Deletion protection	Off	Yes
Resource-based policy	Not active	Yes

❖ Step 6:

Tags

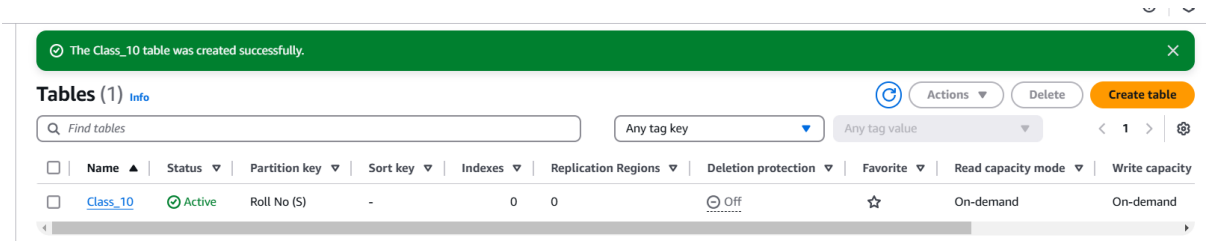
Tags are pairs of keys and optional values, that you can assign to AWS resources. You can use tags to control access to your resources or track your AWS spending.

No tags are associated with the resource.

Add new tag

You can add 50 more tags.

❖ Step 7:



❖ Step 8:

Create item

Form | JSON view

You can add, remove, or edit the attributes of an item. You can nest attributes inside other attributes up to 32 levels deep. Learn more

Attributes

Add new attribute

Attribute name	Value	Type	
Roll No - *Partition key*	104	String	
Name	Shruti	String	Remove
Age	18	Number	Remove

Cancel | Create item

❖ Step 9:

Items returned (1/4)

Actions | Create item

1

Roll No *(String)*	Age	Name
104	18	Shruti
103	20	Shyam
102	24	Aman
101		